ScioTeq

Advanced Visualization

MDP-832

32" 4Kx2K High Bright display for Air Traffic Control

High bright backlight

The MDP-832 is a 32" high bright display for air traffic control applications. Its premium quality LCD, 4Kx2K resolution and high-bright LED backlight bring optimum reading quality, reliability, and user comfort in many use cases, in the tower and in TRACON/ACC/Enroute environment.

High end optics

The MDP-832 is standard always equipped with a high-end protective and anti-reflective front glass. This optical stack ensures the lowest possible reflections.

Touchscreen

The optional responsive PCAP touchscreen handles up to 10 simultaneous touches.

Full screen or Multi-Window

Multiple video inputs allow displaying up to 4 image sources simultaneously, this in a fully user-definable layout.

Key features:

- 4Kx2K resolution
- Optically bonded anti-glare and anti-reflective front glass, for lowest possible reflection
- Dynamic brightness range from 5-700 cd/m²
- Real time continuous brightness stabilization (BLOS)
- Highly appreciated uniformity in white and gray scales provides less eye strain
- Standard dual power supplies for maximum up time

Product specification	
Native resolution	3840 x 2160 pixels
Protective front glass	Chemically strengthened, optically bonded, anti-glare, anti-reflective and anti-fingerprint front glass Total reflection: <1.5%
Pixel pitch	0.18159 x 0.18159 mm
Active screen area	697.3 x 392.2 mm (27.45 x 15.44 ")
Active screen diagonal	31.50" (80.01 cm)
Pixel arrangement	RGB vertical stripe, IPS technology
Backlight	LED backlight system
LED lifetime	> 100,000 hours estimated
Brightness max	> 700 cd/m²
Brightness stabilization	500 cd/m² over lifetime
Dimming ratio	200:1
Contrast ratio	Typical 1300:1 - ratio of white/black image
Display colors	10-bit per color, 1.07 billion colors
Color temperature	Adjustable between native, D65, RGB tuning and custom matrix
Viewing angle	Exceptional viewing angle performance: +/- 89° with CR > 10 Absolutely minimal color shift over viewing angle
Display uniformity	White brightness uniformity 70% (min) Gray (64/255) uniformity 60% (min)
Response time	Tr (gray to gray): 14 ms, typical
Video inputs	1 x DVI-D dual link 2 x Display Port 1.4 2 x HDMI 2.0b
USB ports/function	4 - USB-A downstream port (USB control box, service port, internal USB HUB) 2 - USB-B upstream port (remote control)
Audio	The audio signal from the currently selected video input (HDMI or DP) is available on the audio output & speakers
Ethernet	1 x port, 10/100 compliant, SNMP, webpage
Noise	Not applicable - passive cooling only
Power supply	Nominal voltage: 110 Vac & 230 Vac Operates between: 90-264 Vac Internal dual redundant power supply - connector type: IEC (2 pcs) Frequency range: 47-63 Hz
Power consumption	850 cd/m²: 100 watt 500 cd/m²: 70 watt 300 cd/m²: 50 watt 150 cd/m²: 38 watt Low power standby: <0.5W Chassis ground M4 earth stud
Dimensions & weight	H 437.2 X W 734 x D 100 mm - Weight: <15 kg
Mounting	Operating: 0° C to 40° C (32° F to 104° F) Storage: -20° C to 60° C (-4° F to 140° F)
EMI/EMC	EU/IEC/Canada/FCC: limit B
Safety	IEC62368-1, EN62368-1, UL62368-1, cUL62368-1
Temperature	Operating: 0° C to 40° C (32° F to 104° F) Storage: -20° C to 60° C (-4° F to 140° F)
Humidity	95% at 40° C non-condensing atmosphere (operational and non-operational)
Part number	MDP-832 (partnr: K9334505) – without touchscreen MDP-832 TS (partnr: K9334503) – with touchscreen
Support services	Standard 3-year warranty - Extended warranty services Maintenance training
Accessories	Desktop stand main display series (partnr: K93020681A) USB control box (partnr: K5030141) USB cable 3m (partnr: B5580244) Vesa Interface place (partnr: K6062426) Maintenance training

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.

SCI_MDP-832_SpecSheet_190529

WWW.SCIOTEQ.COM